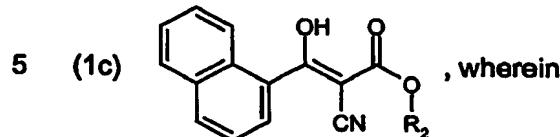
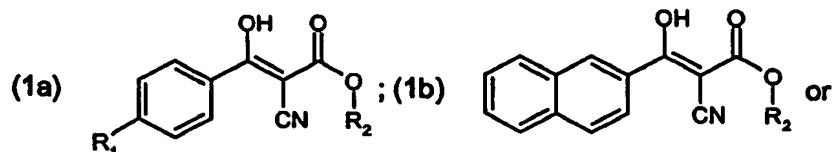


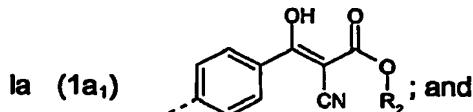
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What is claimed is:

1. 3-aryl-2-cyano-3-hydroxy-acrylic acid derivates of formula



R₁ is hydrogen, C₁-C₂₀alkyl; C₁-C₂₀alkoxy; CF₃; C₆-C₁₀aryl; or a radical of formula-



R₂ is hydrogen; or C₁-C₂₀alkyl.

10 **2. Compounds of formula (1a) according to claim 1, wherein**

R₁ is C₆-C₁₀aryl.

3. Compounds according to claim 1 or 2, wherein

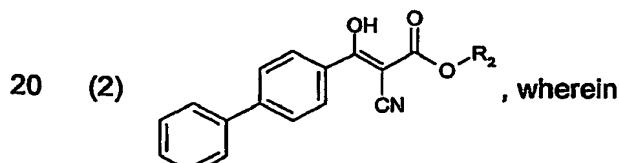
R₁ is phenyl.

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4. Compounds according to one of claims 1 to 3, wherein

R₂ is C₁-C₂₀alkyl.

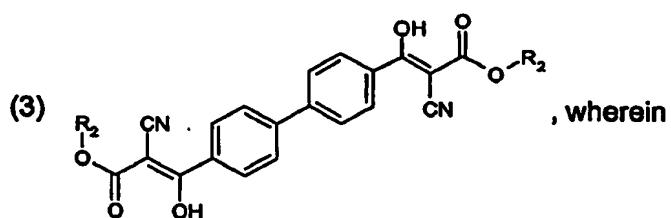
5. Compounds according to one of claims 1 to 4, which correspond to formula



R₂ is C₁-C₂₀alkyl.

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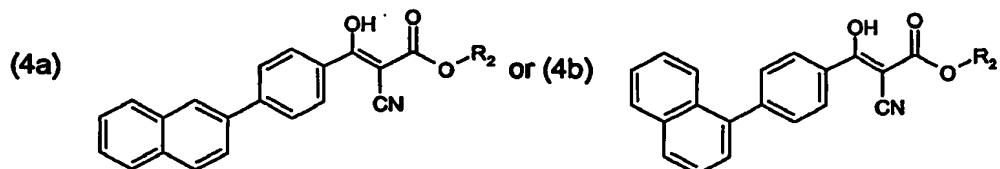
6. Compounds according to one of claims 1 to 4, which correspond to formula



R_2 is C_1 - C_{20} alkyl.

5

7. Compounds according to one of claims 1 to 4, which correspond to formulae

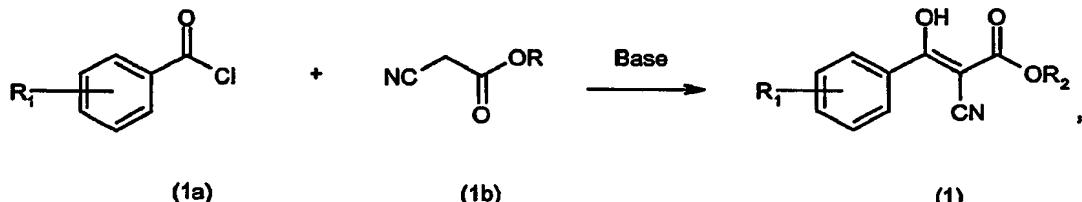


wherein

R_2 is C_1-C_{20} alkyl.

10

8. Process for the preparation of the compounds of formula (1a) according to claim 1, which comprises condensing the cyanoacetate of formula (1a) with the carbon acid chloride of formula (1b) to the compound of formula (1a) according to the following reaction scheme:



15 wherein

R_1 and R_2 are defined as in claim 1.

9. Use of the compounds of formulae (1a), (1b) or (1c) according to any of claims 1 to 7 for the antimicrobial treatment of surfaces.

20

10. Use of the compound of formulae (1a), (1b) or (1c) according to claim 9 in the antimicrobial treatment, deodorisation and disinfection of the skin, mucosa and hair.

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11. Use according to claim 10, wherein the compound of formulae (1a), (1b) or (1c) are used for the prevention of the adhesion of bacteria on surfaces and the further forming of the biofilmes and for detaching the biofilm and/or for the inhibition of the groth of the biofilm forming microorganisms in the biological matrix or for killing them.

5

12. Use of the compound of formulae (1a), (1b) or (1c) for the treatment of textile fibre mate-
rials.

10 13. Use according to claim 9, wherein the compound of formulae (1a), (1b) or (1c) are used
in preservation.

14. Use acciording to claim 9, wherein the compound of formulae (1a), (1b) or (1c) are used
in washing and cleaning formulations.

15 15. Use according to claim 9, wherein the compound of formulae (1a), (1b) or (1c) are used
in imparting antimicrobial properties to, and preserving, plastics, paper, nonwovens, wood or
leather.

20 16. Use of the compounds of formulae (1a), (1b) or (1c) for imparting antimicrobial properties
to, and preserving technical products.

17. Use of the compounds of formulae (1a), (1b) or (1c) as a biocide in technical processes.

25 18. A personal care preparation comprising
from 0.01 to 15 % by weight, based on the total weight of the composition, of a compound of
formulae (1a), (1b) or (1c) and cosmetically tolerable adjuvants.

19. An oral composition comprising from 0.01 to 15 % by weight, based on the total weight of
the composition, of a compound of formulae (1a), (1b) or (1c), and orally tolerable adjuvants.

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